

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of : **Attn: Certificate of Correction Branch**
Mitsuaki OSHIMA : Attorney Docket No. 2003_1578
Patent No. 7,362,813 : **Confirmation No. 6918**
Issued April 22, 2008 :

COMMUNICATION SYSTEM

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. § 1.322, it is respectfully requested that a Certificate of Correction issue to make the corrections listed on the attached Certificate of Correction forms PTO-1050. The errors apparently arose during the printing of the issued patent. Accordingly, a Certificate of Correction should issue at no expense to patentee. Forms PTO-1050 accompany this request, and indicate the requested changes.

Respectfully submitted,

Mitsuaki OSHIMA
/Jeffrey R. Filipek/
By 2010.03.18 21:27:58 -04'00'
Jeffrey R. Filipek
Registration No. 41,471
Attorney for Patentee

JRF/fs
Washington, D.C. 20005-1503
Telephone (202) 721-8200
Facsimile (202) 721-8250
March 19, 2010

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,362,813
DATED : April 22, 2008
INVENTOR(S) : Mitsuaki OSHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Cover Page

In Section (56) References Cited, page 2, under the "FOREIGN PATENT DOCUMENTS" heading, please insert the following references:

JP	53-108215	9/1978
JP	53-137657	12/1978
JP	57-39629	3/1982
JP	58-161427	9/1983
JP	58-161547	9/1983
JP	61-70861	4/1986
JP	62-133842	6/1987
JP	63-180222	7/1988
JP	63-180280	7/1988
JP	63-28145	2/1988
JP	64-5135	1/1989
JP	64-74836	3/1989
JP	64-68144	3/1989
JP	2-94814	4/1990
	2-195732	8/1990

Wenderoth, Lind & Ponack, L.L.P.
1030 15th Street, N. W., Suite 400 East
Washington, D.C. 20005-1503

PATENT NO. 7,362,813

No. of additional copies: None

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,362,813
DATED : April 22, 2008
INVENTOR(S) : Mitsuaki OSHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

JP	2-166979	6/1990
JP	2-218279	8/1990
JP	4-196822	7/1992
JP	5-75568	3/1993
JP	5-167633	7/1993
JP	7-79415	3/1995
JP	7-99522	4/1995
CA	2095435	5/1992
EP	31193	7/1981
EP	122805	10/1984
EP	282298	9/1988
EP	311188	4/1989
EP	329158	8/1989
EP	392538	10/1990
EP	485105	5/1992
EP	490552	6/1992
EP	525641	2/1993
EP	540231	5/1993
WO	85/04541	10/1985

Wenderoth, Lind & Ponack, L.L.P.
1030 15th Street, N. W., Suite 400 East
Washington, D.C. 20005-1503

PATENT NO. 7,362,813

No. of additional copies: None

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,362,813
DATED : April 22, 2008
INVENTOR(S) : Mitsuaki OSHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Section (56) References Cited, page 3, under the "OTHER PUBLICATIONS " heading, please insert the following references:

Nambi Seshadri et al., Multi-Level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel, Vol. 4, No. 3, May-June 1993, Pages 325-334.

English Language Abstract of European Patent No. 93 30 7575

Ezio Biglieri et al., Introduction to Trellis-Coded Modulation with Applications, April 6, 1992, Pages 173-207.

Hideki Ishio et al., "A Proposal of a Carrier Digital Transmission System Using Multi-Level APSK", pages 1-20.

Thomas M. Cover, Broadcast Channels, IEEE Transactions on Information Theory, January 1972, Pages 2-14.

Kazuhiko Nitadori, Synthesis of Multichannel Orthogonal VSB Signals by Quadrature Method, 1976 International Conference on Communications, June 14-16, 1976, Volume 1, Pages 3-25-3-29.

Wenderoth, Lind & Ponack, L.L.P.
1030 15th Street, N. W., Suite 400 East
Washington, D.C. 20005-1503

PATENT NO. 7,362,813

No. of additional copies: None

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,362,813
DATED : April 22, 2008
INVENTOR(S) : Mitsuaki OSHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Khaled Fazel et al., Combined multilevel coding and multiresolution modulation, February 8, 1993, Pages 1081-1085

K. M. Uz et al., Combined multiresolution source coding and modulation for digital broadcast of HDTV*, 1992, Pages 283-292

Mitsuaki Oshima, "Constellation-Code Division Multiplex for Digital HDTV", IEEE, 1992, pages 1086-1092.

M. Pecot et al., "Compatible Coding of Television Images, Part 2. Compatible System", Signal Processing Image Communication, October 2, 1990, no. 3, pages 259-268.

Martin Vetterli et al., Multiresolution Coding Techniques for Digital Television: A Review, Multidimensional Systems and Signal Processing, Volume 3, May 1992, Pages 161-187

"Optimum Weighted PCM for Speech Signals", Sundberg, IEEE Transactions on Communications, Volume COM-26, No. 6, June 1978, Pages 872-881.

Shanmugam, "Digital and Analog Communications Systems" 1979, p.272.

Shinji MATSUMOTO et al., "200 Mb/s 16 QAM Digital Radio-Relay System Operating in 4 and 5 GHz Bands", Japan Telecommunications Review, January 1982, vol. 24, no. 1, pages 65-73

Wenderoth, Lind & Ponack, L.L.P.
1030 15th Street, N. W., Suite 400 East
Washington, D.C. 20005-1503

PATENT NO. 7,362,813

No. of additional copies: None

To: The Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,362,813
DATED : April 22, 2008
INVENTOR(S) : Mitsuaki OSHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Tricia Hill et al., "A Performance Study of NLA 64-State QAM", IEEE Transactions on Communications, vol. COM-31, June 1983, no. 6, pages 821-826.

Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991

Ryutaro OHMOTO et al., "n/4-shift QPSK Subcarrier Transmission", 1991

IN THE CLAIMS

In column 64, claim 1, line 33, please add --)-- after "(ECC".

In column 64, claim 3, line 59, please replace "renpresenting" with --representing--.

In column 64, claim 3, line 63, please add --,-- after "signal".

Wenderoth, Lind & Ponack, L.L.P.
1030 15th Street, N. W., Suite 400 East
Washington, D.C. 20005-1503

PATENT NO. 7,362,813

No. of additional copies: None